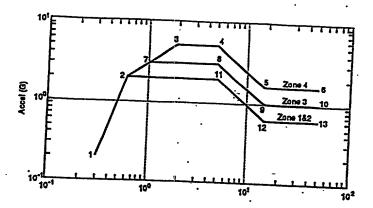


Earthquake Synthesized Waveform - VERTEQII

FIG IA



Coordinate Point	Frequency (Hz)	Values for Upper Floor Acceleration (2)	Coordinate Point	Frequency		
	Zones 1			(H2)	Acceleration (g)	
1	0.3	0.2	Zone 4			
2	0.6	2.0		0.3	0.2	
11			2	0.6	2.0	
	5.0	2.0	3	2.0	5.0	
12	15.0	0.6	4	5.0	5.0	
13	50.0	0.6	5	15.0		
	Zone	3	6		1.6	
1	0.3	0.2		50.0	1.6	
2	0.6	2.0				
7	1.0	3.0				
8	5.0	3.0				
9	15.0	1.0				
10	50.0	1.0				

Fig 18

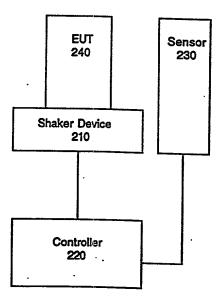


FIG 2

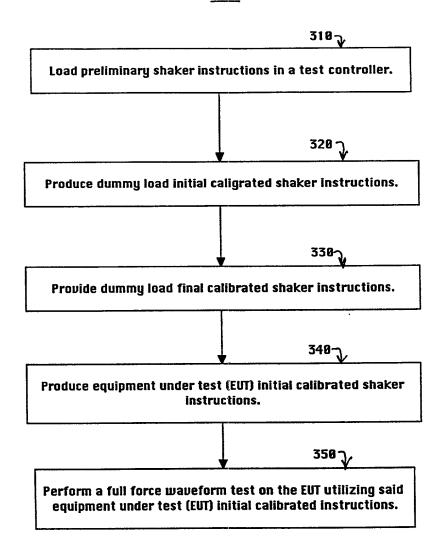
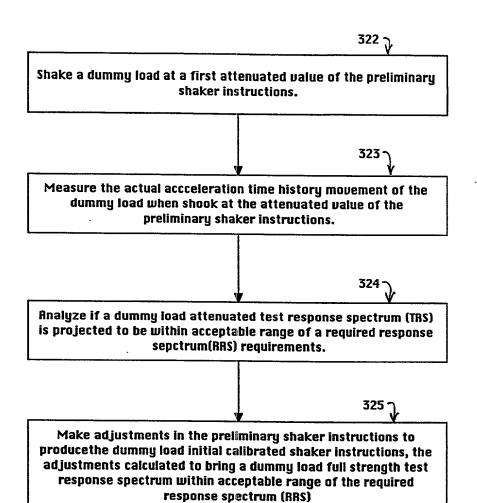
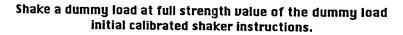


FIG. 3A





333 -

Measure the actual acceleration time history movement of the dummy load when shook at the full strength value of the dummy load initial calibrated shaker instructions.

334 ~

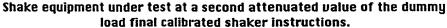
Determine if the dummy load full strength test response spectrum (TRS) is within an acceptable range of the required response spectrum (RRS).

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335 -

Make adujustments in the dummy load initial calibrated shaker instructions to produce the dummy load final calibrated shaker instructions, the adjustments calculated to brnig a test respons spectrum (TRS) within an acceptable range of the required response spectrum (RRS).



343 γ

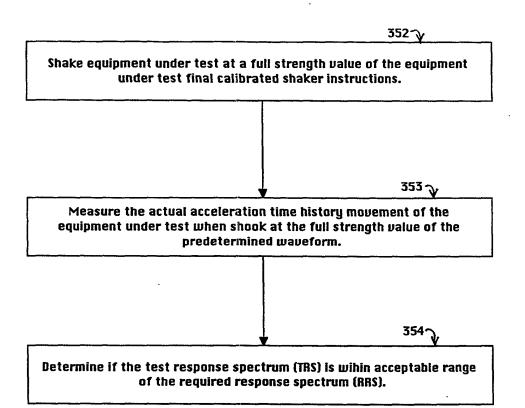
Measure the actual acceleration time history movement of the equipment under test when shook at the attenuated value of the predetermined waveform.

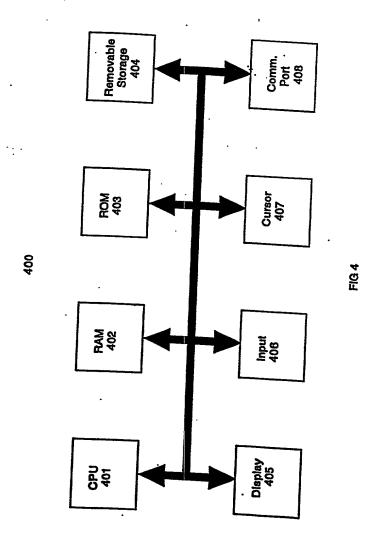
344 J

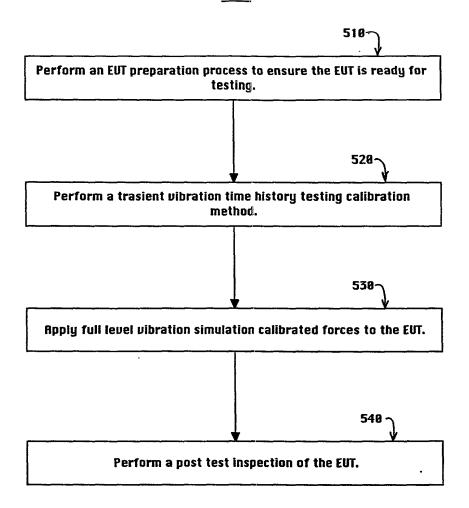
Determine if the equipment under test attenuated test response spectrum (TRS) is within an acceptable range of the required repsonse spectrum (RRS).

345]

Make adjustments to the dummy load final calibrated shaker instructions to produce the equipment under test attenuated shaker instructions if the dummy load full strength test response spectrum (TRS) is not within an acceptable range of the required response spectrum (RRS).







F16 5

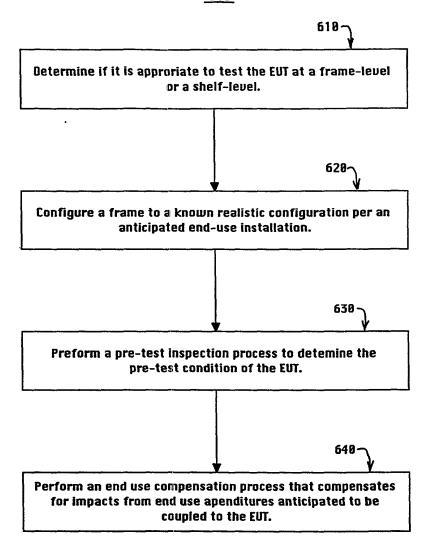


FIG 6

. Test Parameter	Performance Criteria	Test Tolerance
VERTEQII waveform	TRS shall meet or exceed RRS	TRS less than 30%
Acceleration	synthesized waveform 1.6 (peak for 30 seconds	3's Not Applicable
data sample rate.	200 Hz	-
test frame system		Not Applicable
weight	435 Ibs (approximately)	+/- 5%
load-cell torque	up to 65 ft-lbs .	
Displacement		+/- 1 ft-lb
(rack top)	76.2 mm maximum	- +/-5 mm

FIG 7

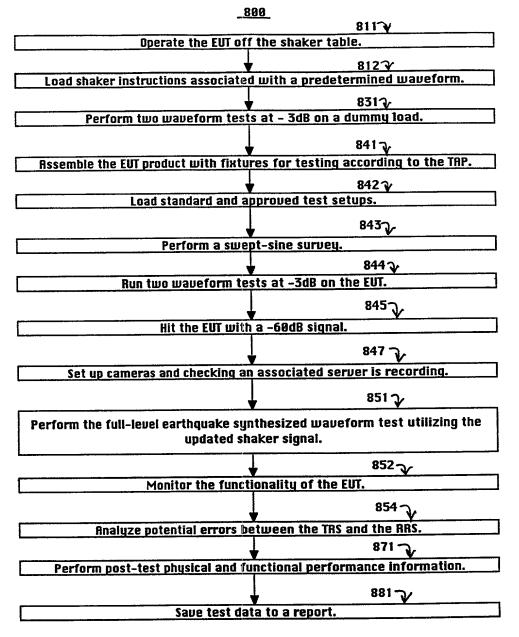


FIG 8

Test	T:			
Parameter	Performance Criteria	Test Tolerance		
Frequency Range	1 to 50 Hz			
Sweep Rate	-1.0 octave/minute	Not Applicable		
Acceleration	0.2 G's	Not Applicable		
data sample rate .	200 Hz	H- 0.02 G's		
test frame system weight	435 lbs (approximately)	Not Applicable		
	· · · · · · · · · · · · · · · · · · ·	+/-5%		

FIG.9

: Model #	Cod	e Nan	ne Busi	ness Un	it BUC	n fo
Date	Ve	rtical			f •	
Time			From	-to-Bac	k Side-to	-Sid
Test Engineer or Technician	厂		<u> </u>		-}	
Frame Top Resonant Frequency (Hz)	 					
EUT Resonant Frequency (Hz)					<u> </u>	
Peak Acceleration Response at the top of the Frame (G)						
Displacement (inches or man)					•	
Doors, Covers, Panels	_					
Cracks, Buckles, Visual		-				
olt or Anchor Torque values (1-lb)(4)	•	\dashv	·			$ \bot $
oad Cell values (lb, all 4)						- [
CD Status during the Test	<u> </u>	-				7
agnostic or software notion during the Test	-	十	<u> </u>	\dashv		7
mments				1		

FIG 10